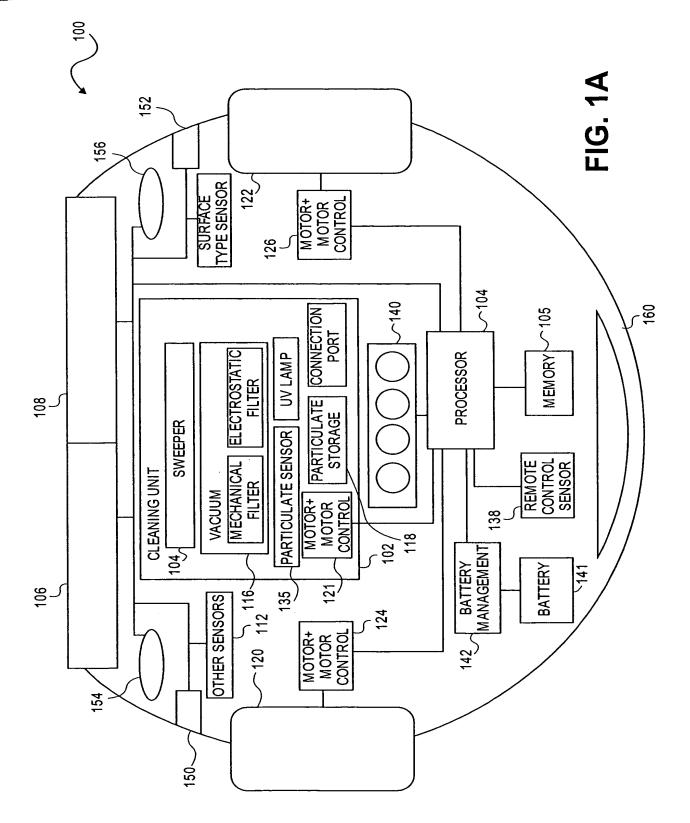
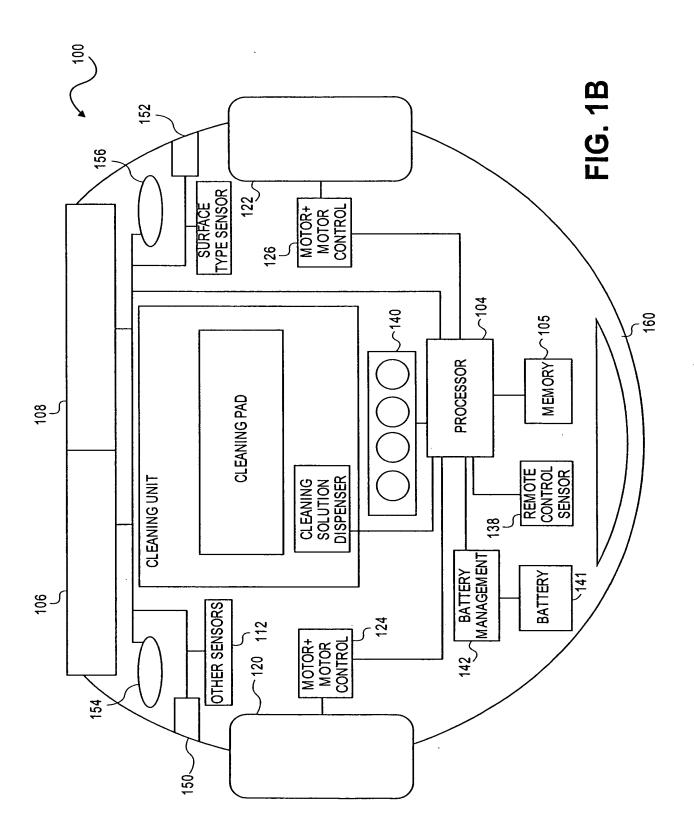
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Attorney: Joseph P. O'Malley
Phone: (415) 362-3800

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Attorney: Joseph P. O'Malley
Phone: (415) 362-3800

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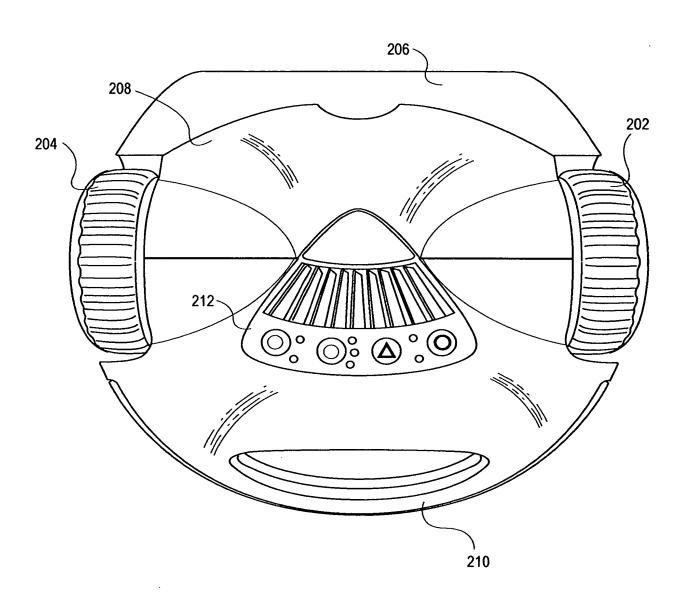


FIG. 2A

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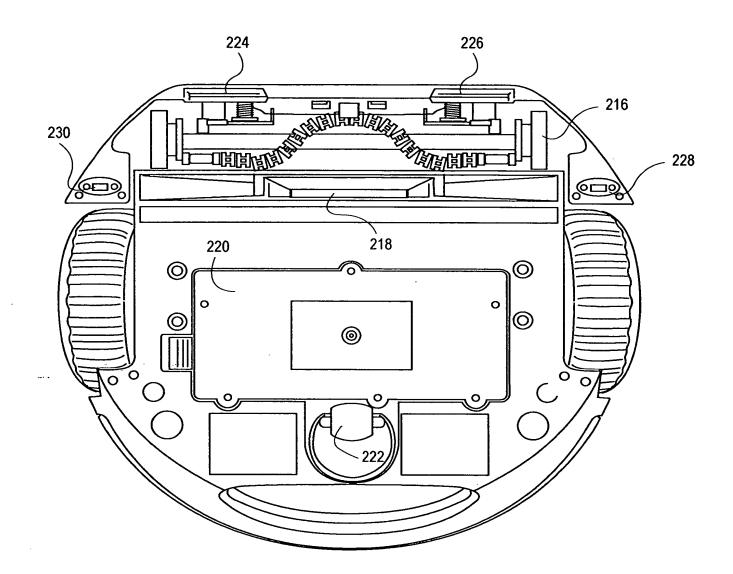


FIG. 2B

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Inventor(s): Taylor
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800

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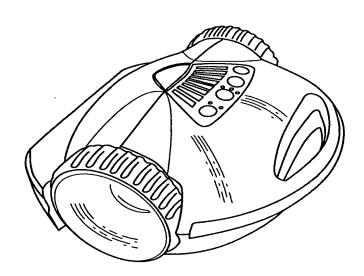


FIG. 2C

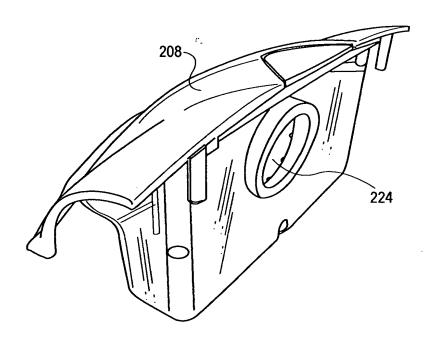


FIG. 2D

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Docket No.: SHPR-01360USC Inventor(s): Taylor
Appl. No.: 10/798,231 Attorney: Joseph P. O'Malley
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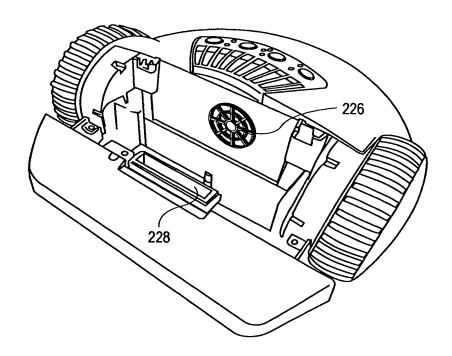


FIG. 2E

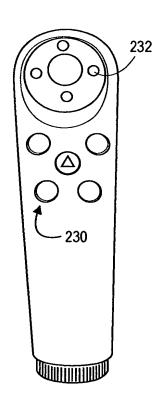


FIG. 2F

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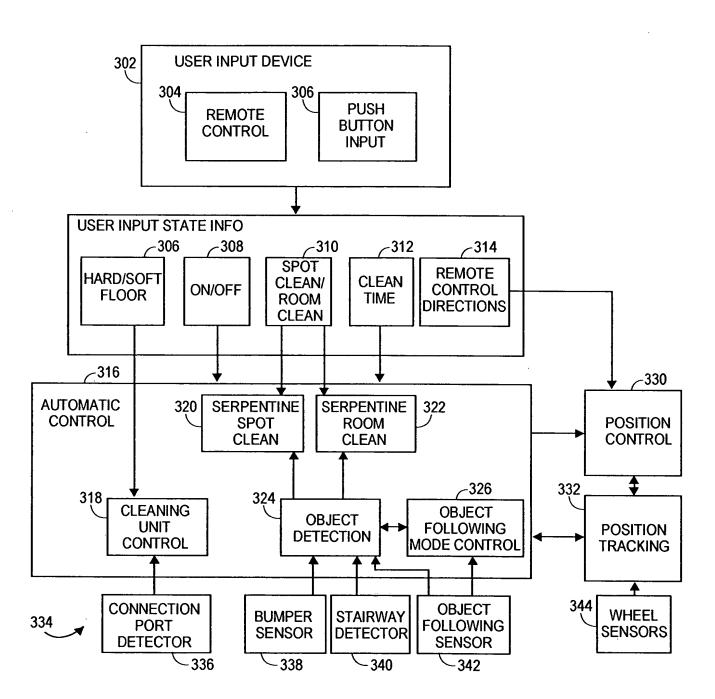


FIG. 3

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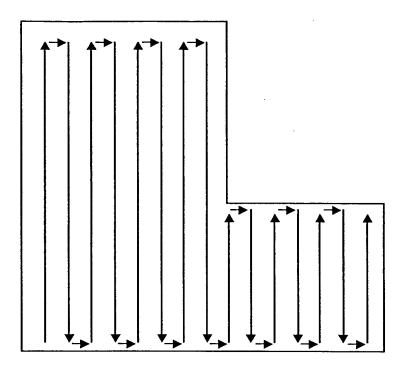


FIG. 4

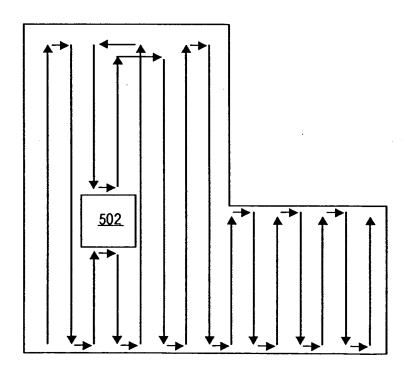


FIG. 5

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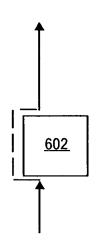


FIG. 6

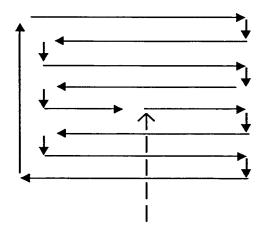


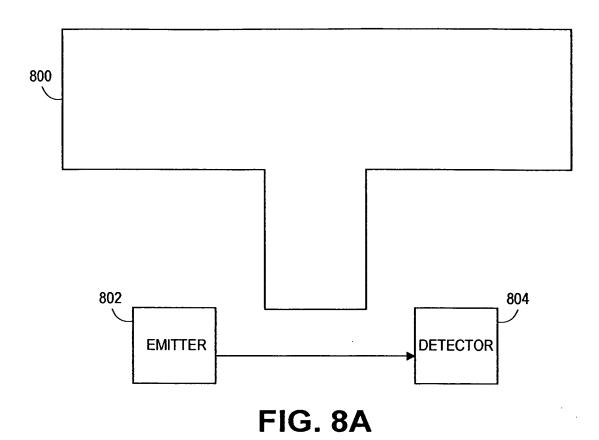
FIG. 7

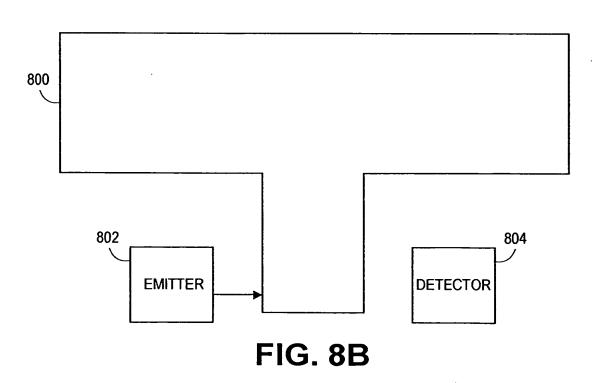
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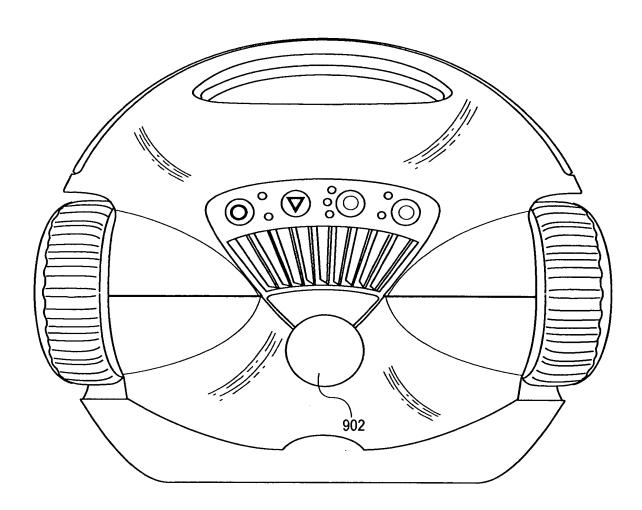


FIG. 9A

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Docket No.: SHPR-01360USC Inventor(s): Taylor
Appl. No.: 10/798,231 Attomey: Joseph P. O'Malley
Confirm No.: 3469 Phone: (415) 362-3800

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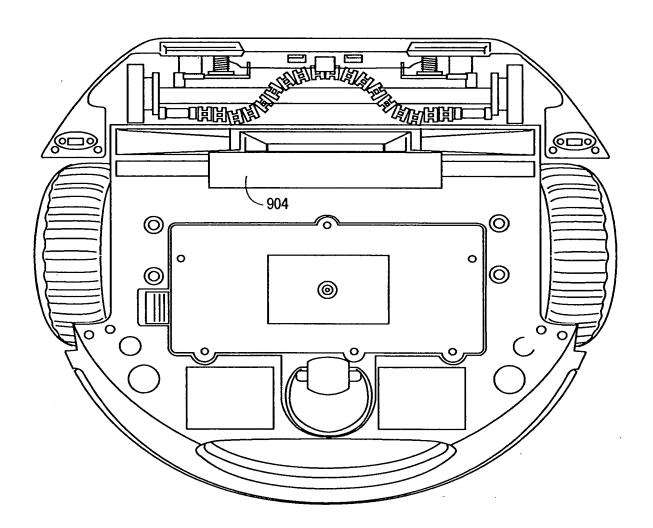
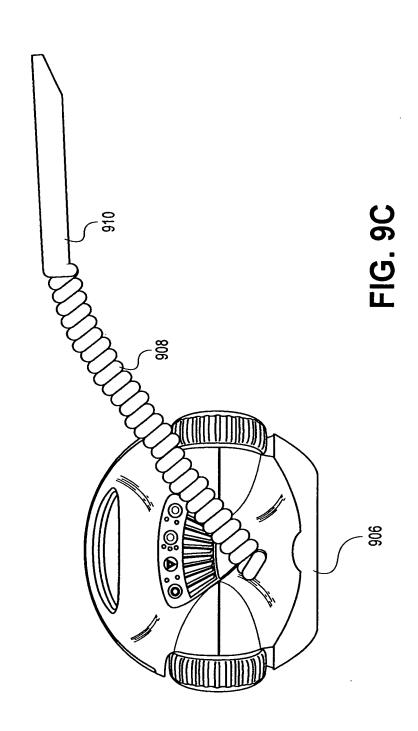


FIG. 9B

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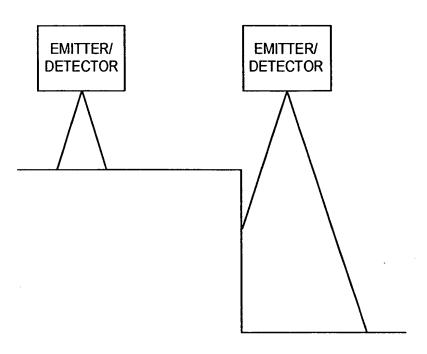
Title: ROBOT VACUUM WITH LOCALIZED CLEANING ALGORITHM Docket No.: SHPR-01360USC Inventor(s): Taylor

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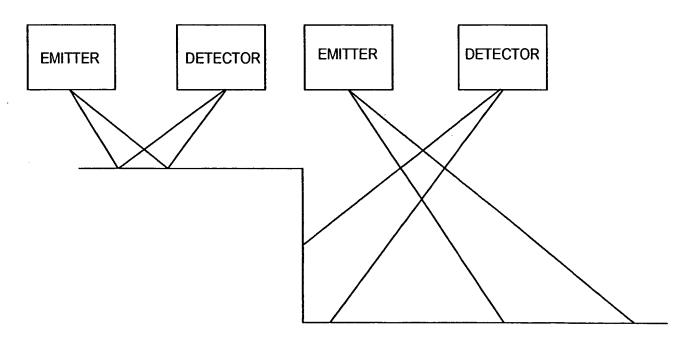
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**FIG. 10A** 



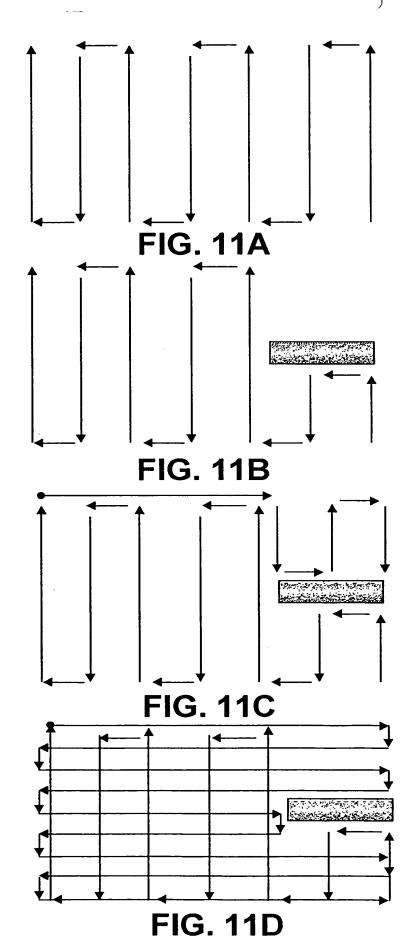
**FIG. 10B** 

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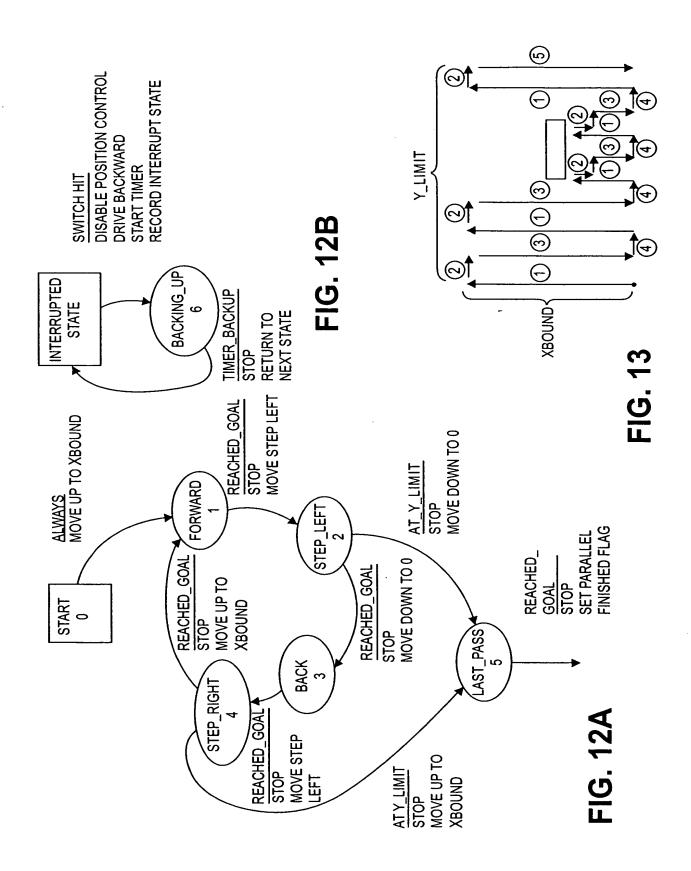
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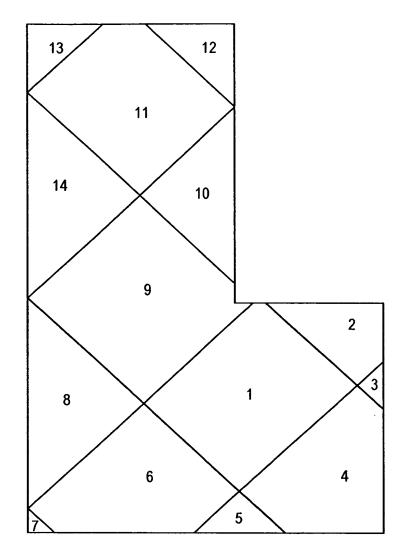


FIG. 14

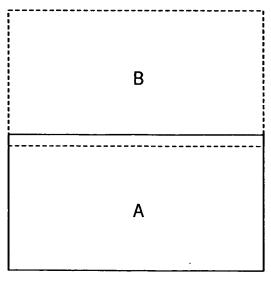
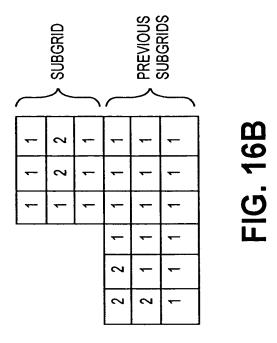


FIG. 15

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1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	-	1	1	1	1	1	-
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1	1	1	l	1	2	2	1	1	1	1	ν-
-	1	1	1	1	2	2	1	1	1	1	-
-	-	1	1	-	2	2	1	1	1	1	-
-	1	1	1	1	1	-	1	1	1	ļ	1
1	1	1	1	ļ	-	1	1	1	l	l	1
_	-	1	-	-	-	-	-	1	-	1	1
-	-	1	-	1	-	-	-	-	-	-	-
<b>—</b>	<b></b>	-	-	-	-	-	-	<b>-</b>	-	-	-

## SUB GRID MAP FIG. 16A